

What is claimed is:

1. A capacitive touchpad integrated with key and handwriting functions, comprising:

- 5 a panel for touch inputting;
 a first pattern on said panel for representing a mode
 switch to switch said touchpad between a key
 mode and a handwriting mode;
 a plurality of regions defined on said panel; and
10 a plurality of second patterns on said plurality of
 regions for operation in said key and
 handwriting modes.

2. A capacitive touchpad of claim 1, further
15 comprising a mouse mode for switching thereto by touching
said first pattern.

3. A capacitive touchpad of claim 1, further
comprising an LCD for displaying an input from said panel.

20 4. A capacitive touchpad of claim 1, wherein said
panel comprises:

- a substrate selected from the group consisting of
 PCB, membrane and transparent plate;
25 a conductor wiring on said substrate; and

an insulator covered on said conductor wiring.

5. A capacitive touchpad of claim 4, wherein said conductor wiring comprises an ITO.

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6. A capacitive touchpad of claim 4, wherein said insulator is transparent.

7. A capacitive touchpad of claim 1, further comprising a backlight for said panel.

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8. A capacitive touchpad of claim 1, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

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9. A capacitive touchpad of claim 1, further comprising a judgment module for determining a number of fingers touching onto said panel.

10. A capacitive touchpad of claim 1, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

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11. A mobile telephone characterized in a capacitive touchpad included thereon, said capacitive touchpad

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comprising:

- a panel for touch inputting;
- a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;
- a plurality of regions defined on said panel; and
- a plurality of second patterns on said plurality of regions for operation in said key and handwriting modes.

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12. A mobile telephone of claim 11, wherein said capacitive touchpad further comprising a mouse mode for switching thereto by touching said first pattern.

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13. A mobile telephone of claim 11, further comprising an LCD for displaying an input from said panel.

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14. A mobile telephone of claim 11, wherein said panel comprises:

- a substrate selected from the group consisting of PCB, membrane and transparent plate;
- a conductor wiring on said substrate; and
- an insulator covered on said conductor wiring.

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15. A mobile telephone of claim 14, wherein said

conductor wiring comprises an ITO.

16. A mobile telephone of claim 14, wherein said insulator is transparent.

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17. A mobile telephone of claim 11, further comprising a backlight for said panel.

18. A mobile telephone of claim 11, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

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19. A mobile telephone of claim 11, further comprising a judgment module for determining a number of fingers touching onto said panel.

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20. A mobile telephone of claim 11, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

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21. A capacitive touchpad integrated with key and mouse functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode

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switch to switch said touchpad between a key

mode and a mouse mode;
a plurality of regions defined on said panel; and
a plurality of second patterns on said plurality of
regions for operation in said key and mouse
5 modes.

22. A capacitive touchpad of claim 21, further
comprising a handwriting mode for switching thereto by
touching said first pattern.
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23. A capacitive touchpad of claim 21, further
comprising an LCD for displaying an input from said panel.

24. A capacitive touchpad of claim 21, wherein said
15 panel comprises:
a substrate selected from the group consisting of
PCB, membrane and transparent plate;
a conductor wiring on said substrate; and
an insulator covered on said conductor wiring.
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25. A capacitive touchpad of claim 24, wherein said
conductor wiring comprises an ITO.

26. A capacitive touchpad of claim 24, wherein said
25 insulator is transparent.

27. A capacitive touchpad of claim 21, further comprising a backlight for said panel.

5 28. A capacitive touchpad of claim 22, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

29. A capacitive touchpad of claim 21, further
10 comprising a judgment module for determining a number of fingers touching onto said panel.

30. A capacitive touchpad of claim 21, wherein said plurality of second patterns comprises a plurality of key
15 patterns for performing a telephone keyboard.

31. A capacitive touchpad integrated with mouse and handwriting functions, comprising:

20 a panel for touch inputting;
 a first pattern on said panel for representing a mode switch to switch said touchpad between a mouse mode and a handwriting mode;
 a plurality of regions defined on said panel; and
 a plurality of second patterns on said plurality of
25 regions for operation in said mouse and

handwriting modes.

32. A capacitive touchpad of claim 31, further comprising a key mode for switching thereto by touching said first pattern.

33. A capacitive touchpad of claim 31, further comprising an LCD for displaying an input from said panel.

34. A capacitive touchpad of claim 31, wherein said panel comprises:

a substrate selected from the group consisting of
PCB, membrane and transparent plate;
a conductor wiring on said substrate; and
an insulator covered on said conductor wiring.

35. A capacitive touchpad of claim 34, wherein said conductor wiring comprises an ITO.

36. A capacitive touchpad of claim 34, wherein said insulator is transparent.

37. A capacitive touchpad of claim 31, further comprising a backlight for said panel.

38. A capacitive touchpad of claim 31, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

5 39. A capacitive touchpad of claim 31, further comprising a judgment module for determining a number of fingers touching onto said panel.

10 40. A capacitive touchpad of claim 31, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.